

109TH CONGRESS
2D SESSION

H. R. 5141

To provide for the establishment of a program at the National Science Foundation to increase up to 10,000 per year the number of elementary and secondary science and mathematics teachers through a scholarship program encouraging students to obtain science, technology, engineering, and mathematics degrees with teacher certification, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

APRIL 6, 2006

Mr. HOLT (for himself, Ms. EDDIE BERNICE JOHNSON of Texas, Ms. ZOE LOFGREN of California, Mr. CAPUANO, Mr. MARKEY, Mr. SMITH of Washington, Mr. PRICE of North Carolina, Mr. OWENS, Mr. PAYNE, Mr. GRIJALVA, Ms. JACKSON-LEE of Texas, Mr. HINOJOSA, Mr. McDERMOTT, Ms. SCHAKOWSKY, Mr. McINTYRE, and Mr. INSLEE) introduced the following bill; which was referred to the Committee on Science

A BILL

To provide for the establishment of a program at the National Science Foundation to increase up to 10,000 per year the number of elementary and secondary science and mathematics teachers through a scholarship program encouraging students to obtain science, technology, engineering, and mathematics degrees with teacher certification, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Accelerating the Cre-
3 ation of Teachers of Influence for Our Nation Act”.

4 **SEC. 2. SCHOLARSHIP PROGRAM.**

5 (a) **ESTABLISHMENT.**—The National Science Foun-
6 dation shall establish a program to provide scholarships
7 to students in science, engineering, or mathematics pro-
8 grams with certification for elementary or secondary
9 teaching.

10 (b) **AMOUNT OF SCHOLARSHIP.**—A scholarship
11 award under this section shall be an amount sufficient to
12 cover the cost of tuition, room and board, and fees at the
13 institution of higher education the student is attending,
14 not to exceed \$20,000 per year.

15 (c) **SELECTION CRITERIA.**—Scholarships shall be
16 awarded under this section on the basis of merit, with con-
17 sideration given to financial need and the goal of providing
18 support to members of underrepresented groups within the
19 meaning of the Science and Engineering Equal Opportuni-
20 ties Act.

21 (d) **LIMITATION.**—A student may not receive scholar-
22 ships under this section for more than 5 years of under-
23 graduate study.

24 (e) **PROBATION.**—A student that has received schol-
25 arship support under this section for a year who receives
26 a grade of D or fails a course during that year shall be

1 notified by the National Science Foundation that the stu-
2 dent is being placed on probation.

3 (f) TERMINATION.—A student that has received
4 scholarship support under this section for a year who fails
5 a course during that year, after having been placed on pro-
6 bation under subsection (e), shall forfeit the scholarship,
7 and all scholarship amounts received by that student
8 under this section shall be treated as a student loan as
9 provided in subsection (h).

10 (g) SERVICE OBLIGATION.—

11 (1) IN GENERAL.—Except as provided in para-
12 graph (2) or subsection (i), not later than 6 years
13 after graduation from a program for which a stu-
14 dent has received scholarship assistance under this
15 section—

16 (A) if the student has received 3 or more
17 years of such assistance, the student shall com-
18 plete 5 years of service as an elementary or sec-
19 ondary science or mathematics teacher; and

20 (B) if the student has received fewer than
21 3 years of such assistance, the student shall
22 complete 3 years of service as an elementary or
23 secondary science or mathematics teacher.

24 (2) SPECIAL SERVICE.—If all service under this
25 subsection is performed at a school eligible for as-

1 sistance under section 1114 of the Elementary and
2 Secondary Education Act of 1965 (20 U.S.C. 6314),
3 the length of the obligation under paragraph (1)(A)
4 or (B) shall be reduced by 1 year.

5 (h) FORFEITURE OF SCHOLARSHIP.—

6 (1) CONSEQUENCES.—A student who forfeits a
7 scholarship provided under this section shall be lia-
8 ble to the United States for repayment of the full
9 amount of scholarship assistance received, in accord-
10 ance with paragraph (3).

11 (2) GROUNDS FOR FORFEITURE.—A student
12 forfeits a scholarship provided under this section if
13 the student—

14 (A) withdraws from the degree program
15 for which the scholarship was awarded without
16 transfer to a comparable program within the
17 scope of this Act, or in a comparable program
18 within the scope of this Act at another institu-
19 tion of higher education;

20 (B) fails 2 classes as described in sub-
21 sections (e) and (f);

22 (C) declares that the service obligation
23 under subsection (g) will not be fulfilled; or

24 (D) fails to fulfill the service obligation
25 under subsection (g).

1 (3) REPAYMENT.—

2 (A) IN GENERAL.—Except as provided in
3 subparagraph (B), in the case of forfeiture, re-
4 payment shall be required for the full amount
5 of scholarship assistance received by the stu-
6 dent plus the interest on such amounts that
7 would be payable if at the time the amounts
8 were received they were a loan bearing interest
9 at the prevailing rate for student loans.

10 (B) PARTIAL FAILURE TO MEET SERVICE
11 OBLIGATION.—In the case of a forfeiture on
12 grounds described in paragraph (2)(C) or (D)—

- 13 (i) if the student received 3 or more
14 years of scholarship assistance under this
15 section, repayment shall be required for
16 the amount of assistance received reduced
17 by $\frac{1}{5}$ of the total amount for each year of
18 service obligation completed, plus the inter-
19 est on such reduced amounts that would be
20 payable if at the time the amounts were re-
21 ceived they were a loan bearing interest at
22 the prevailing rate for student loans; and
23 (ii) if the student received fewer than
24 3 years of scholarship assistance under
25 this section, repayment shall be required

1 for the amount of assistance received re-
2 duced by $\frac{1}{3}$ of the total amount for each
3 year of service obligation completed, plus
4 the interest on such reduced amounts that
5 would be payable if at the time the
6 amounts were received they were a loan
7 bearing interest at the prevailing rate for
8 student loans.

9 (C) WAIVER.—The Director of the Na-
10 tional Science Foundation may provide a partial
11 or complete waiver of the requirement under
12 this paragraph if a student will suffer extreme
13 hardship, if compliance is impossible, or if re-
14 quiring repayment would be unconscionable.

15 (i) MASTER'S DEGREE OPTION.—

16 (1) AVAILABILITY.—A student who has received
17 1 or more years of scholarship assistance under this
18 section may apply for additional scholarship assist-
19 ance for up to 2 years in a Master's program in
20 science, technology, engineering, or mathematics.

21 (2) SERVICE OBLIGATION.—For each year of
22 scholarship assistance received under paragraph (1),
23 a student's service obligation under subsection (g)
24 shall increase by 1 year. If all service under this
25 paragraph and subsection (g) combined is performed

1 at a school eligible for assistance under section 1114
 2 of the Elementary and Secondary Education Act of
 3 1965 (20 U.S.C. 6314), the length of the obligation
 4 under this paragraph shall be reduced by 1 year.

5 (j) SCHOLARSHIP TRUST FUND.—There shall be es-
 6 tablished in the Treasury of the United States a trust
 7 fund, into which shall be deposited all gifts and donations
 8 received by the National Science Foundation in support
 9 of the program under this section. Amounts in the trust
 10 fund may be used, to the extent provided in appropriations
 11 Acts, for carrying out this section.

12 (k) AUTHORIZATION OF APPROPRIATIONS.—There
 13 are authorized to be appropriated to the National Science
 14 Foundation for carrying out this section—

- 15 (1) \$200,000,000 for fiscal year 2007;
- 16 (2) \$400,000,000 for fiscal year 2008;
- 17 (3) \$600,000,000 for fiscal year 2009;
- 18 (4) \$800,000,000 for fiscal year 2010; and
- 19 (5) \$1,000,000,000 for fiscal year 2011.

20 **SEC. 3. UNIVERSITY GRANTS.**

21 (a) ESTABLISHMENT OF PROGRAM.—The Director of
 22 the National Science Foundation shall establish a program
 23 to award annual grants of \$1,000,000 to institutions of
 24 higher education (or a consortia of such institutions) to

1 develop and implement programs that will provide all of
2 the following:

3 (1) Undergraduate science, mathematics, and
4 engineering degrees.

5 (2) Elementary or secondary teacher certifi-
6 cation.

7 (3) Professional development and mentoring ac-
8 tivities.

9 (b) SELECTION CRITERIA.—The Director shall annu-
10 ally award grants under this section on a competitive
11 basis. The Director shall seek to achieve a balanced dis-
12 tribution of awards on the basis of geographic location and
13 the size of the institutions of higher education. In weigh-
14 ing the merits of grant proposals, the Director shall con-
15 sider—

16 (1) the ability of the applicant to carry out the
17 proposed program;

18 (2) the size and quality of education and
19 science, technology, engineering, and mathematics
20 faculty, and postdoctoral fellows in those depart-
21 ments;

22 (3) the degree to which the proposed program
23 will enable students to become and remain successful
24 elementary and secondary mathematics and science
25 teachers; and

1 (4) the ability of the applicant to recruit stu-
2 dents who would otherwise not pursue a career in
3 teaching.

4 (c) PREFERENCE.—The Director shall give pref-
5 erence to applicants whose proposals include—

6 (1) curriculum based on cognitive psychology
7 and the science of how students learn;

8 (2) structured mentoring program with a highly
9 qualified teacher in the field of the student;

10 (3) summer internships with researchers in the
11 science, mathematics, or engineering field of the stu-
12 dent;

13 (4) mentored classroom teaching experience;

14 (5) use of educational technology with instruc-
15 tion included within the curriculum;

16 (6) practical courses in the teaching of science
17 and mathematics;

18 (7) partnerships with private sector entities
19 that include—

20 (A) financial or in-kind contributions to
21 the financing of the internships;

22 (B) mentoring activities;

23 (C) professional development programs in-
24 cluding professional meetings; and

1 (D) collaboration with local schools, edu-
2 cation groups, youth organizations, museums,
3 and libraries;

4 (8) partnerships with other institutions of high-
5 er education to facilitate the sharing of faculty and
6 implementation of mentoring activities; and

7 (9) mechanisms to recruit underrepresented
8 groups into the program.

9 (d) MATCHING FUNDS.—An institution of higher
10 education may only receive a grant under this section if
11 it will provide at least \$200,000 during the fiscal year for
12 which the grant is awarded toward the development and
13 implementation of the program for which the grant is
14 awarded.

15 (e) LIMITATION.—An institution of higher education
16 may not receive more than 3 annual grants under this sec-
17 tion.

18 (f) MONITORING.—The Director shall monitor the
19 success of the each program receiving assistance under
20 this section to determine eligibility for competitive re-
21 newal, including site visits when necessary.

22 (g) AUTHORIZATION OF APPROPRIATIONS.—There
23 are authorized to be appropriated to the National Science
24 Foundation—

25 (1) \$500,000,000 for fiscal year 2007;

- 1 (2) \$600,000,000 for fiscal year 2008;
- 2 (3) \$700,000,000 for fiscal year 2009;
- 3 (4) \$900,000,000 for fiscal year 2010; and
- 4 (5) \$1,000,000,000 for fiscal year 2011.

